

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001412

A. CLASSIFICATION OF SUBJECT MATTER

G08B-13/22, H01B-13/016, H01B-11/18

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC v7: G08B, H01B; US classes: 340, 174, 310/309, 324/454 in combination with keywords

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used) Canadian Patent Database), USPTO West, Pluspat, Inspec. Keywords: triboelectric, dielectric, coaxial

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US2787784 (Meryman et al.) 2 April 1957 (2-04-1957), entire document	1, 2, 5, 6-8, 10, 13-16, 26-28
A	US3750127 (Ayers et al.) 31 July 1973 (31-07-1973), entire document	1-8, 10, 13-16, 18, 26-31
A	US5705984 (Wilson) 6 January 1998 (06-01-1998), col. 4, lines 6-67; Fig. 1A	5, 6, 8, 14-16, 33, 34
A	US4197529 (Ramstedt et al.) 8 April 1980 (08-04-1980), col. 3, line 17 - col. 5, line 48; Fig. 1A, 2, 4	1, 2, 5-8, 10, 14-16, 18, 29-31
A	US3846780 (Gilcher) 5 November 1974 (05-11-1974), col. 2, line 13 - col. 3, line 16, Fig. 2	1, 3, 5, 6, 8, 13-16, 26-28, 34

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

* Special categories of cited documents :	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international-type search
13 October 2004 (13-10-2004)

Date of mailing of the international-type search report
12 November 2004 (12-11-2004)

Name and mailing address of the ISA/
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Information on patent family members

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Patent document cited in search report	Publication Date	Patent family members	Publication date
US 2787784 A	02-04-1957	None	
US 3750127 A	31-07-1973	NL 73081689 A	16-12-1974
US 5705984 A	06-01-1998	None	
US 3846780 A	05-11-1974	CA 1012225 A	14-06-1977
US 4197529 A	08-04-1980	None	